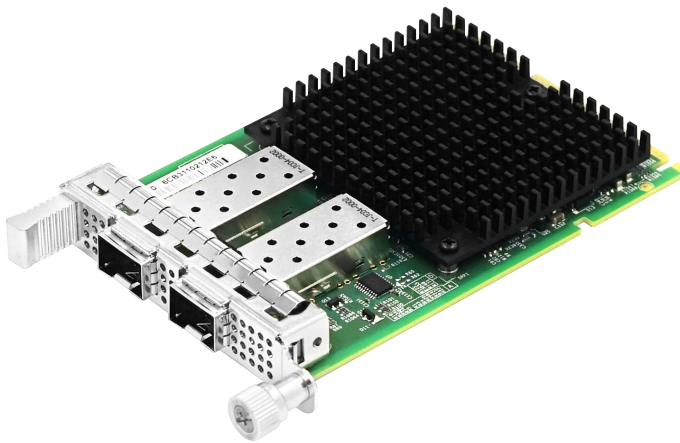# LRES3024PF-OCP
10G Dual-Port OCP3.0 Server Adapter
(Net-swift SP1000A Based)

FC CE RoHS

Key Features：

-Supports PCIe 3.0 (8.0GT/s) x8;
-Equipped with 2 10G SFP+interfaces, supporting data transmission rates of 1Gbps and 10Gbps;
-Working temperature: 0 ℃~50 ℃ (commercial grade);

Overview

LRES3024PF-OCP is a dual port 10G Ethernet adapter with OCP3.0 SFF structure developed by Linkreal Co., Ltd. based on the Net swift SP1000A main control scheme. This network adapter has dual ports that can simultaneously support adaptive 1/10G link rates. Flexible use in various network environments with different speed requirements, providing reliable performance in flexible LAN and SAN networks.

This adapter card has a domestically produced independent intellectual property Ethernet fiber optic network card (LRES3024PF-OCP), which has multiple functions such as LAN performance acceleration, network security, network fusion, network virtualization, and data center bridging. The transmission bandwidth of a single port is 10Gbps, the number of logic gates in the main controller reaches 18 million, and the on-chip SRAM capacity reaches 25Mbit. Mainly designed for servers and high-end devices.

LR-LINK

Specifications

Model	LRES3024PF-OCP
Controller	Net-swiftSP1000A
Cable medium	Optical fiber
Fiber Type	10G Base-R、1G Base-R
Bracket Height	SFF
Min Power(w)	3.72W
Max Power(w)	5.61W
Connector	2 * 10G SFP+
Bus Type	PCIe3.0 (8.0GT/s) x8
Data rate per port	1G/10Gbps
Power Supply	OCP
Protocol Support	IIEEE802.1p、802.1Q, 802.1Qaz,802.1Qau, IEEE802.2、802.3ac、802.3ad、802.3az、802.3x、802.3z
PXE	Yes
WoL	No
UEFI	Yes
SR-IOV	Yes
1588 PTP	Yes
ScanChain	Yes
NCSI	Yes
FRU	Yes
SMBus	Yes
Jumbo Frames	9.2KB
System Support	* Windows 7/8/8.1/10/11 * Windows Server 2008/2012 * Windows Server 2016/2019 * Windows Server 2022 * Deepin 20/20.6/20.9 * VMware ESXi 6.5/ 6.7 * Ubuntu 18.04.5/20.04.1 * Ubuntu 22.04.2/22.04.3 * ZTE New Fulcrum 3.2.2 * Galaxy Unicorn v10 * NeoKylin 7.6 * OpenKylin 0.7.5 * SUSE 12.5 * Zhongke Fangde desktop operating system 4.0 * Zhongke Fangde server operating system * Tongxin UOS 20 * Emind OS * iKuai router

LED Indicators

10G	Connection Status	Green Link + Blue Link
	Transfer status	Green Blink + Green Link + Blue Link
1G	Connection Status	Orange Link + Blue Link
	Transfer status	Green Blink + Orange Link + Blue Link

Environment Features

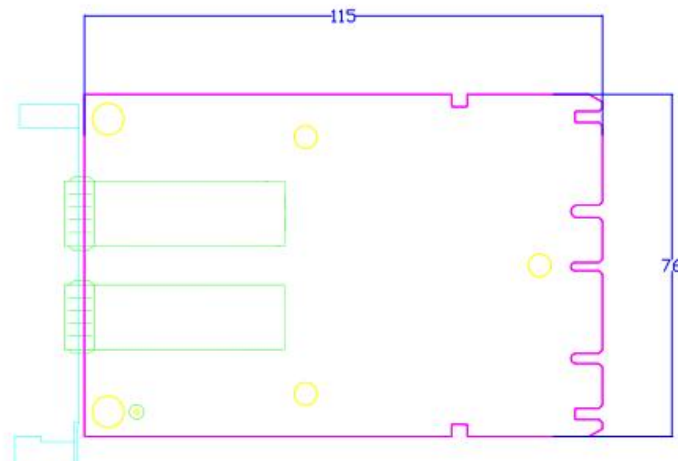| Operating Temperature	0℃ to 55℃ (32 ℉ to 131 ℉)
Storage Temperature	-45 ℃ to 85 ℃ (-49℉ to 185 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC，CE，RoHS

Physical properties

PCB size(unit:mm)	115*76*1.6
Package size (unit: mm)	179*150*30

Packing List

Bracket	Default SFF baffle installation
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Anti-static bag

PS: The depictions provided of our products are not to scale and are intended for illustrative purposes only.

Dimensions